

REMARKS

Claims 1-17 are currently pending in connection with the present application. Claims 1, 12 and 15 are amended. Claims 1, 12 and 15 are independent claims. Reconsideration and allowance are respectfully requested in view of the amendments and the following remarks.

PRIOR ART REJECTIONS

35 U.S.C. §102 Akram Rejection

Claims 12 and 14 stand rejected under 35 U.S.C. §102(b) as being anticipated by Akram et al. (U.S. Patent No. 6,082,365). Applicant respectfully traverses this rejection.

Applicants do not acquiesce to the Examiner's position that a support 230/330 as taught in Akram et al. is a substrate as recited in claims 1, 12, and 15. However, claim 12 recite that a plurality of terminal pads and a plurality of connecting pads are formed on a second face of a substrate, respectively.

Even assuming that the support 230/330 is a substrate as alleged by the Examiner, Akram et al. teaches that conductive patterns 226 and connecting pads 337 are formed on first and second faces of a polymer tape 324, respectively, **not the support 230/330**. FIG. 4; column lines 28-30, 42-44, and 51-55.

Accordingly, for at least the reasons given above, claim 12 is patentable over Akram et al. Dependent claim 14 is also patentable for depending on an allowable base claim.

35 U.S.C. §103 Akram/Bai Rejection

Claims 1-4, 7, 9, 11 and 16 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Akram et al. (U.S. Patent No. 6,082,365), in view of Bai et al. (U.S. Patent No. 6,326,700).

Applicants respectfully traverse this rejection.

As remarked above, claim 1 recites that a plurality of terminal pads and a plurality of connecting pads are formed a second face of a substrate. In the Office Action dated April 24, 2006, the Examiner alleges that Akram et al. teaches a substrate 330 having a plurality of terminal pads 237, 337 on a second face and a plurality of connecting pads 236, 326 on a first face. But as remarked above, Akram et al. teaches a polymer tape 324 having a plurality of terminal pads 237, 337 on a second face and a plurality of connecting pads 236, 326 on a first face. In other words, neither a plurality of terminal pads nor a plurality of connecting pads is provided on the support 220, 230.

Accordingly, because Akram et al. fails to teach a substrate having a plurality of terminal pads and a plurality of connecting pads, regardless of what configuration Bai et al. teaches, the combination of Akram et al. and Bai et al. would fail to teach or suggest all the limitation of claim 1.

For at least the reasons given above, claim 1 is patentable over the Examiner's cited reference. Dependent claims 2-3, 7, 9, 11, and 16 are also patentable for depending on a patentable base claim.

35 U.S.C. §103 Akram/Bai/Taniguchi Rejection

Claims 5, 6 and 17 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Akram et al. and Bai, in view of Taniguchi et al. (U.S. Patent No. 6,388,333). Applicants respectfully traverse this rejection.

As remarked above, neither individually nor in combination does Akram et al. and Bai teach or suggest all the features of independent claim 1. For at least the reasons given above, Applicants submit that dependent claims 5, 6 and 17 are patentable for depending on patentable independent claim 1. In addition, Taniguchi fails to cure the deficiencies discussed above with respect to Akram et al. and Bai.

35 U.S.C. §103 Akram/Bai/Takashima Rejection

Claim 8 stand rejected under 35 U.S.C. §103 as being unpatentable over Akram et al. and Bai in view of Takashima et al. (U.S. Patent No. 6,160,313).

As remarked above, neither individually nor in combination does Akram et al. and Bai teach or suggest all the features of independent claim 1. For at least the reasons given above, Applicants submit that dependent claim 8 is patentable for depending on patentable independent claim 1. In addition, Taniguchi fails to cure the deficiencies discussed above with respect to Akram et al. and Bai.

35 U.S.C. §103 Akram/Bai/Cady Rejection

Claim 10 stand rejected under 35 U.S.C. §103 as being unpatentable over Akram et al. and Bai in view of Cady. Applicants respectfully traverse this rejection.

As remarked above, neither individually nor in combination does Akram et al. and Bai teach or suggest all the features of independent claim 1. For at least the reasons given above, Applicants submit that dependent claim 10 is patentable for depending on patentable independent claim 1. In addition, Cady fails to cure the deficiencies discussed above with respect to Akram et al. and Bai.

35 U.S.C. §103 Akram/ Cady Rejection

Claims 15-17 stand rejected under 35 U.S.C. §103 as being unpatentable over Akram et al. in view of Cady. Applicants respectfully traverse this rejection.

Claim 15, similar to claim 12, recites that a plurality of terminal pads and a plurality of connecting pads are formed on a second face of a substrate, respectively. Again, even assuming that the support 230/330 is a substrate as alleged by the Examiner, Akram et al. teaches that conductive patterns 226 and connecting pads 337 are formed on first and second faces of a polymer tape 324, respectively, **not the support 230/330**. FIG. 4; column lines 28-30, 42-44, and 51-55.

Accordingly, for at least the reasons given above, claim 15 is patentable over Akram et al. in view of Cady. In addition, Cady fails to cure the deficiency of Akram et al.

Claims 16 and 17 are also patentable for respectively depending on an allowable base claim.

<remainder of page intentionally left blank>

CONCLUSION

Accordingly, in view of the above amendments and remarks, reconsideration of the objections and rejections and allowance of each of claims 1-17 in connection with the present application is earnestly solicited.

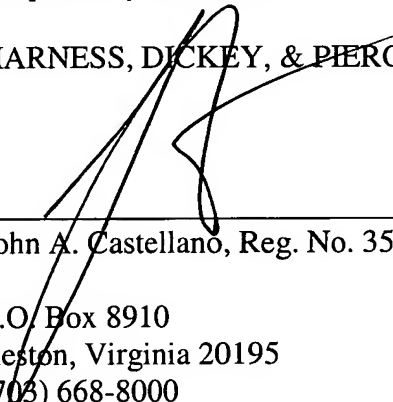
Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact John A. Castellano at the telephone number of the undersigned below.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

HARNESS, DICKEY, & PIERCE, P.L.C.

By



John A. Castellano, Reg. No. 35,094

P.O. Box 8910
Reston, Virginia 20195
(703) 668-8000

JAC/LYP/tlt